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Electronic Patent Application Submission
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EFS ID: 64786
Application ID: 09525615
Title of Invention: Method, System and Apparatus
for Balanced Frequency Up-
Conversion of a Baseband Signal
and 4-Phase Receiver and
Transceiver
First Named Inventor: David SORRELLS
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-03-14
Effective Receipt Date: 2004-07-19
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 7843
Attorney Docket Number: 1744.0450003



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Total Fees Authorized:

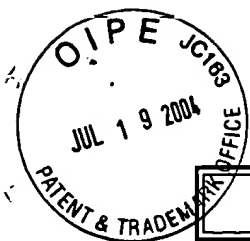
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TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	Method, System and Apparatus for Balanced Frequency Up-Conversion of a Baseband Signal and 4-Phase Receiver and Transceiver								
<div style="display: flex; justify-content: space-between;"><div><p>Application Number: 09/525615</p><p>Date: 2000-03-14</p><p>First Named Applicant: David F. SORRELLS</p><p>Confirmation Number: 7843</p><p>Attorney Docket Number: 1744.0450003</p></div><div style="text-align: center;"></div><div style="text-align: right;"><p>RECEIVED</p><p>JUL 21 2004</p><p>Technology Center 2600</p></div></div>									
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<table border="1" style="width: 100%;"><tr><td style="width: 50%; text-align: center;">Submitted by:</td><td style="width: 20%; text-align: center;">Elec. Sign.</td><td style="width: 30%; text-align: center;">Sign. Capacity</td></tr><tr><td>Jeffrey S. Weaver Registered Number: 45608</td><td>/JSW/</td><td>Attorney</td></tr></table>		Submitted by:	Elec. Sign.	Sign. Capacity	Jeffrey S. Weaver Registered Number: 45608	/JSW/	Attorney		
Submitted by:	Elec. Sign.	Sign. Capacity							
Jeffrey S. Weaver Registered Number: 45608	/JSW/	Attorney							
<table><tr><td style="width: 35%;">Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>1744.0450003_Third_Supplemental_IDS-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>		Documents being submitted	Files	us-ids	1744.0450003_Third_Supplemental_IDS-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files								
us-ids	1744.0450003_Third_Supplemental_IDS-usidst.xml								
	us-ids.dtd								
	us-ids.xsl								
Comments									



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Method, System and Apparatus for Balanced Frequency Up-
Conversion of a Baseband Signal and 4-Phase Receiver and
Transceiver

Application Number: 09/525615

Confirmation Number: 7843

First Named Applicant: David SORRELLS

Attorney Docket Number: 1744.0450003

Art Unit: 2631

Examiner: Phuong M. Phu

Search string: (5682099 or 6094084 or 6067329 or 6516185
or 6687493 or 6694128 or 6704549 or 6704558
or 5490176 or 5970053 or 6078630 or 6600911
or 5179731 or 5589793 or 4510467 or 4772853
or 4972436 or 5012245 or 5422909 or 5440311
or 5926513 or 5995030 or 6047026 or 6049573
or 6076015 or 6144331 or 6018553 or 6317589
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or 6169733 or 6363262 or 6697603 or 5282222
or 5949827 or 6014176 or 5678226 or 5760632
or 6160280 or 5481570 or 5745846).pn.



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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5682099	1997-10-28	Thompson et al.			
	2	6094084	2000-07-25	Abou-Allam et al.			
	3	6067329	2000-05-23	Kato et al.			
	4	6516185	2003-02-04	MacNally	B1		
	5	6687493	2004-02-03	Sorrells et al.	B1		
	6	6694128	2004-02-17	Sorrells et al.	B1		
	7	6704549	2004-03-09	Sorrells et al.	B1		
	8	6704558	2004-03-09	Sorrells et al.	B1		

	9	5490176	1996-02-06	Peltier	
	10	5970053	1999-10-19	Schick et al.	
	11	6078630	2000-06-20	Prasanna	
	12	6600911	2003-07-29	Morishige et al.	B1
	13	5179731	1993-01-12	Trankle et al.	
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	45	6160280	2000-12-12	Bonn et al.
	46	5481570	1996-01-02	Winters
	47	5745846	1998-04-28	Myer et al.

Remarks

Note: Remarks are not for responding to an office action.

Cite nos. 1 and 2 were cited in an Office Action in related U.S. Patent Application No. 10/317,181, filed December 12, 2002, entitled "Differential Frequency Down-Conversion Using Techniques of Universal Frequency Translation Technology," directed to related subject matter. Cite nos. 3 and 4 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed December 12, 2002, entitled "Method and Apparatus for Reducing DC Offsets in Communication Systems Using Universal Frequency Translation Technology," directed to related subject matter. Cite nos. 5-8 are co-owned patents which are directed to related subject matter. Cite nos. 5-8 and 33 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/838,387, filed April 20, 2001, entitled "Method and System for Down-Converting and Up-Converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter. Also cited in said Notice of Allowance were U.S. Patent Nos. 5,937,013, 6,061,551, and 6,647,250, which have already been cited in the present application. Cite nos. 9-12 were cited in an Office Action in related U.S. Patent Application No. 09/567,978, filed May 10, 2000, entitled "Carrier and Clock Recovery Using Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,937,013, which has already been cited in the present application. Cite nos. 13 and 14 were cited in a Notice of Allowance in related U.S. Patent Application No. 10/330,219, filed December 30, 2002, entitled "Methods and Systems for Down-Converting Electromagnetic Signals, and Applications Thereof," directed to related subject matter. Cite nos. 15-26 were cited in an Office Action in related U.S. Patent Application No. 09/566,188, filed May 5, 2000, entitled "Integrated Frequency Translation and Selectivity with Gain Control Functionality, and Applications Thereof," directed to related subject matter. Cite nos. 27 and 28 were cited in an Office Action in related U.S. Patent Application No. 09/632,856, filed August 4, 2000, entitled "Wireless Local Area Network (WLAN) Using Universal Frequency Translation Technology Including Multi-Phase Embodiments and Circuit Implementation," directed to related subject matter. Cite nos. 29-31 were cited in an Office Action in related U.S. Patent Application No. 09/569,044, filed May 10, 2000, entitled "Universal Platform Module and Methods and Apparatuses Relating Thereto Enabled by Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 2,057,613; 2,241,078; 2,283,575; 2,358,152; 2,410,350; 2,451,430; 2,472,798; 4,653,117; and 5,241,561,

which have already been cited in the present application. Cite no. 32 was cited in an Office Action in related U.S. Patent Application No. 10/289,377, filed November 7, 2002, entitled "Method and Apparatus for Reducing DC Offsets in a Communication System," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,471,665; 5,793,817; and 5,898,912, which have already been cited in the present application. Cite nos. 34 and 35 were cited in an Office Action in related U.S. Patent Application No. 09/525,185, filed March 14, 2000, entitled "Spread Spectrum Applications of Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,339,459; 5,369,789; and 5,937,013, which have already been cited in the present application. Cite nos. 36-39 were cited in an Office Action in related U.S. Patent Application No. 09/569,045, filed May 10, 2000, entitled "Methods and Apparatuses Relating to a Universal Platform Module and Enabled by Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,339,459 and 5,557,641, which have already been cited in the present application. Documents 40-42 were cited in an Office Action in related U.S. Patent Application No. 09/590,955, filed June 9, 2000, entitled "Phase-Shifting Applications of Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,339,459, which has already been cited in the present application. Documents 43-45 were cited in an Office Action in related U.S. Patent Application No. 09/550,642, filed April 14, 2000, entitled "Method and System for Down converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter. Documents 46 and 47 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed December 12, 2002, entitled "Method and Apparatus for Reducing DC Offsets in Communication Systems Using Universal Frequency Translation Technology," directed to related subject matter.

Signature

Examiner Name	Date